

**From:** [Ojeda, Jose](#)  
**To:** [Enders, Jhana](#); [Turner, Philip](#)  
**Subject:** RE: Phosphine sampling update  
**Date:** Monday, February 20, 2017 11:26:33 AM  
**Attachments:** [image006.png](#)

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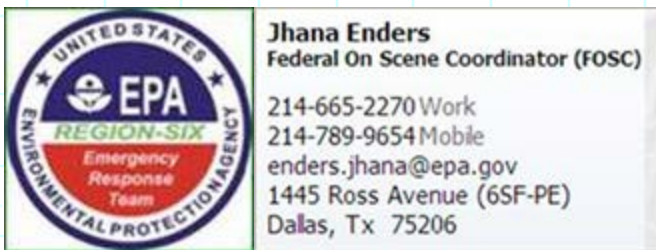
Everyone involved decided on OSHA 1003 as the analysis to use for this incident.

**José L. Ojeda**

Senior Project Leader – START  
Weston Solutions, Inc.

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**From:** Enders, Jhana [<mailto:Enders.Jhana@epa.gov>]  
**Sent:** Monday, February 20, 2017 11:11 AM  
**To:** Turner, Philip  
**Cc:** Ojeda, Jose  
**Subject:** FW: Phosphine sampling update  
I thought you looked at NIOSH 6002 and UC decided on OSHA 1003...comments?  
Thanks.



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**From:** Burton, Terry  
**Sent:** Monday, February 20, 2017 11:05 AM  
**To:** Enders, Jhana <[Enders.Jhana@epa.gov](mailto:Enders.Jhana@epa.gov)>  
**Subject:** FW: Phosphine sampling update  
FYI...

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**From:** Koglin, Eric  
**Sent:** Friday, February 17, 2017 1:13 PM  
**To:** Burton, Terry <[Burton.Terry@epa.gov](mailto:Burton.Terry@epa.gov)>  
**Cc:** McKernan, John <[McKernan.John@epa.gov](mailto:McKernan.John@epa.gov)>; Sayles, Gregory <[Sayles.Gregory@epa.gov](mailto:Sayles.Gregory@epa.gov)>; Smith, Terry <[Smith.Terry@epa.gov](mailto:Smith.Terry@epa.gov)>; Jones-Lepp, Tammy <[jones-lepp.tammy@epa.gov](mailto:jones-lepp.tammy@epa.gov)>; Orme-Zavaleta, Jennifer <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>  
**Subject:** RE: Phosphine sampling update

Hey Terry

I wanted to give you an update.

It looks like one of the ERLN laboratories – conveniently located in San Antonio at Southwest Research Institute – has the capability to do this analysis (NIOSH 6002). They will require funding to do the analyses and are accessible to EPA. Terry Smith in OEM may be able to help understand how the funding works. The contact there is Joseph Brewer 210-522-5168 [joseph.brewer@swor.org](mailto:joseph.brewer@swor.org).

It's likely that the Army's Edgewood Chemical and Biological Center (ECBC) may also have the analytical capability to do this. I have not gone so far as to make any contacts with them, so I don't know if it's turn-key or if they need funding to do it. In my experience, ECBC will require funding.

As I mentioned yesterday, it's possible that NERL Las Vegas can do the analysis using available equipment, but it is not in conformance with any SW-846 or NIOSH

method. It isn't clear whether or not the Las Vegas method could achieve the desired detection limit. Also, the Las Vegas chemists would need to make or create their own standards.

A DoD colleague also suggested that we might contact Melissa Carter at CDC's National Center for Environmental Health. Her email address is [Melissa.carter@cdc.hhs.gov](mailto:Melissa.carter@cdc.hhs.gov). It's possible that they have a capability as well, but I have not yet contacted Melissa.

So I think we need to understand the urgency and the data use in order to select the appropriate location and method. I suspect that you don't have a lot more information today and we're on the cusp of a three day weekend. Let's talk first thing Tuesday morning (or sooner if necessary) to sort this out.

Later,

Eric

Eric Koglin

USEPA

NHSRC/RACER

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**From:** Burton, Terry

**Sent:** Thursday, February 16, 2017 4:06 PM

**To:** Koglin, Eric <[Koglin.Eric@epa.gov](mailto:Koglin.Eric@epa.gov)>

**Cc:** McKernan, John <[McKernan.John@epa.gov](mailto:McKernan.John@epa.gov)>; Russo, Bill <[Russo.Bill@epa.gov](mailto:Russo.Bill@epa.gov)>

**Subject:** Phosphine sampling update

Hi Eric,

John McKernan at NRMRL's Engineering Technical Support Center was able to identify some lab resources, and feels that NHSRC has a method on file (NIOSH 6002) as part of their portfolio. However, Emily Snyder gave me a "no" earlier today, so I have to assume that's out.

I still haven't "officially" heard back from Cindy at NRMRL and Bill Russo at NHEERL yet, so we'll see what they turn up. It's gotten quiet around here, and I'm off tomorrow. I'm going to take my laptop home and check email a few times tomorrow. I still have the same cell that I've had for my emergency responses, at the bottom of this email. I hope you and everyone else can keep me abreast of any developments. Thanks.

Terry Burton

Sr. Physical Scientist

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